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06.00 ELECTRODYNAMICS & PARTICLE OPTICS	17	206	394	616	808	980	1150	1291	1422	1539	1671	1802	1970
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10.20 Photons. Gamma-rays. X-rays	29	220	412	632	821	990	1158	1303	1427	1548	1683	1816	1983
10.30 Leptons	30	221	412	632	821	991	1158	1303	1427	1549	1683	1816	1983
10.33 Neutrinos	30	221	412	632	821	991	—	1303	1428	1549	1683	1817	1983
10.35 Electrons	30	221	412	632	821	991	1159	1303	1428	1549	1683	1817	1983
10.37 Muons	30	222	413	632	821	991	1159	1304	1428	1549	1683	1817	1984
10.40 Hadrons	30	222	413	632	821	991	1159	1304	1428	1549	1684	1817	1984
10.41 Hadron interactions	30	222	413	633	822	991	—	—	1428	1549	1684	1818	1984
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10.45 Mesons	31	224	414	634	823	992	1160	1305	1429	1550	1685	1819	1985
10.46 Kaons	32	224	414	634	823	993	1160	1306	1429	1550	1685	1819	1985
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10.48 Meson resonances	34	228	416	634	825	996	1161	1307	1430	1552	1687	1821	1987
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10.54 Neutrons	35	232	418	635	826	997	1162	1308	1431	1553	1689	1823	1988
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12.10 Nuclear structure & energy levels	40	237	422	641	831	1004	1163	1310	1433	1556	1692	1825	1993
12.13 Light nuclei	40	237	425	642	832	1005	—	1311	1434	1558	1692	1827	1995
12.17 Medium & heavy nuclei	40	237	425	642	833	1006	1164	1312	1434	1558	1693	1828	1995

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12.30	Nuclear reactions & scattering	42	239	430	646	837	1008	1165	1313	1436	1564	1696	1831	2000
12.31	Due to photons	42	239	431	646	837	1009	1165	1313	1436	1564	1696	1831	2000
12.32	Due to leptons (neutrinos, electrons, muons)	43	239	432	646	837	1009	1165	1314	1437	1564	1696	1831	2001
12.33	Due to nucleons	—	—	432	647	838	1009	—	1314	—	1565	1697	—	2001
12.34	Due to protons	43	239	432	647	838	1009	1166	1314	1437	1565	1697	1831	2001
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12.36	Due to mesons & hyperons	44	—	437	648	839	1010	—	1314	1438	1567	1698	1832	2002
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12.38	Due to other particles & nuclei	45	239	439	649	840	1011	1167	1315	—	1568	1699	1834	2004
12.39	Nuclear fission & fusion	45	239	440	652	841	1011	1167	1316	1438	1569	1699	1834	2004
12.40	Nuclear-power studies	45	240	442	652	842	1011	1167	1316	1438	1569	1699	1835	2005
12.43	Neutron physics	45	240	442	652	842	—	1167	—	1438	1569	1700	1835	2005
12.47	Nuclear reactors	46	241	443	653	842	1011	1168	1316	1438	1569	1700	1835	2005
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13.00	ATOMIC & MOLECULAR PHYSICS	48	243	445	656	848	1014	1170	1318	1439	1570	1701	1835	2008
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13.25	Isotopes	55	247	450	660	854	1018	1172	1321	—	—	1705	1839	2012
13.27	Mesic & muonic atoms	55	247	451	660	854	1018	1172	1321	—	1577	1705	1840	2012
13.30	Molecules	55	247	451	660	855	1018	1172	1322	1443	1577	1705	1840	2012
13.31	Inorganic molecules	57	249	453	662	857	1019	1173	1322	1445	1579	1705	1842	2014
13.32	Organic molecules	60	251	458	664	860	1022	1175	1323	1446	1582	1708	1846	2018
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18.50 Magnetic resonances	157	324	557	757	937	1093	1240	1375	1498	1630	1762	1924	2125
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23.40 X-ray tubes & techniques	191	378	596	—	966	1134	1273	1408	—	1658	1786	1951	2162

ERRATA—PART I

Conference Index 1970 Pt. II, p. xiii, **Optics**, delete 60313 and 57240 to 63274-8 inclusive; insert additional entry as follows:

Optics, Chicago, Ill., USA, 21-24 Oct. 1969 (*Optical Soc. America*), 60313 (Introductory abstract), 57240, 57511, 57518-19, 57523, 57526, 57535, 57538, 57556-7, 57562-7, 57570-4, 57581-4, 57597, 57609, 57617-19, 57624, 57633, 57637, 57642, 57646, 58179, 58878, 59290, 59358, 59360-1, 59363, 59373, 59554, 59577, 59583-8, 59627, 59771, 59839-41, 59850, 60005, 60069, 60072-3, 60076, 60093, 60104, 60115, 60221, 60236, 60239, 60271-99, 60300-1, 60321-3, 60325-8, 60337-9, 60349, 60360-2, 60371, 60376-8, 60390-3, 60397, 60405-13, 60424-5, 60436-7, 60439-40, 60448, 60737, 60773, 60912, 60915, 60931, 60933-4, 61020, 61054, 61082-3, 61123-4, 61319, 61521, 61613, 62025-6, 62216, 62585, 62589, 62600, 62641-2, 62915-16, 62961, 63193, 63248-51, 63257-69, 63274-8

Author Index 1970 Pt. II, p. A949, insert Yu, J. S., Peters, L. J. Jr. Measurement of constitutive parameters using the Mie solution of a scattering sphere 0-63496

Abstr. 7025 of 1971: journal ref. should read *IEEE Trans. Antennas & Propagation (USA)*, vol. AP-18, no. 6, p. 840-2 (Nov. 1970).

Abstr. 7032 of 1971: journal ref. should read *IEEE Trans. Antennas & Propagation (USA)*, vol. AP-18, no. 6, p. 811-13 (Nov. 1970).

Abstr. 7039 of 1971: bibliographic ref. should read 25th symposium on molecular structure and spectroscopy (abstracts), Columbus, Ohio, USA, 8-12 Sept. 1970 (Columbus, Ohio, USA: Ohio State Univ. 1970), p. 74.

Abstr. 7042 of 1971: title should read **A solid state n.m.r. spectrometer for use in a superconducting magnet.**

Abstr. 7334 of 1971: journal ref. should read *Zh. Prikl. Spektrosk. (USSR)*, vol. 13, no. 3, p. 569-70 (Sept. 1970). In Russian.

Abstr. 7588 of 1971: journal ref. should read *Zh. Tekh. Fiz. (USSR)*, vol. 40, no. 10, p. 2233-5 (Oct. 1970). In Russian. English translation in...

Abstr. 9387 of 1971: journal ref. should read *Phys. Rev. B (USA)*, vol. 2, no. 9, p. 3582-7 (1 Nov. 1970).

Abstr. 9797 of 1971: journal ref. should read *Kristallografiya (USSR)*, vol. 15, no. 6, p. 1249-50 (Nov. 1970). In Russian. English translation...

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b	R S B	Б б	r	R S B	Р р
ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
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Association of the Hungarian Telecommunication Industry KGM MTTI, Budapest IV, Gellert u. 12, Hungary

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Astrofizika Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]

Astron. & Astrophys. (Germany)

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Astron. Her. (Japan)

Astronomical Herald Astronomical Society of Japan, Tokyo Astronomical Observatory, Oosawa Mitaka, Tokyo, Japan

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Australian Journal of Physics Commonwealth Scientific and Industrial Research Organization, Sixth Floor, 372 Albert Street, East Melbourne, Victoria 3002, Australia

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Automatica si Electronica Str. Ion Ghica 3, Bucuresti, Rumania

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Avtomatika i Telemekhanika Akademiya Nauk SSSR, Leninskii Prosp. 14, Moskva, USSR [English translation in: *Autom. & Remote Contr. (USA)*]

Avtom. & Vychisl. Tekh. (USSR)

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Avtom. Svarka (USSR)

Avtomaticheskaya Svarka Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]

Avtom. Telemekh. Svyaz (USSR)

Avtomatika, Telemekhanika, Svyaz' 262 Karl Marx Street, 11 Moskva, USSR

Avtomatika (USSR)

Avtomatika Institution of Cybernetics, 102 Brest-Litovskii Prosp., Kiev 57, USSR [English translation in: *Sov. Autom. Contr. (USA)*]

Avtometriya (USSR)

Avtometriya Science Publishing House, Siberian Division, Novosibirsk, USSR

AWA Tech. Rev. (Australia)

AWA Technical Review AWA Research Laboratories, 422 Lane Cove Road, North Ryde, N.S.W., Australia

Bauelem. Elektrotech. (Germany)

Bauelemente der Elektrotechnik Verlag fur Technik und Wirtschaft GmbH, 62 Wiesbaden, Postfach 1409, Kaiser-Friedrich-Ring, Germany

BBC Eng. (GB)

BBC Engineering Formerly: *BBC Eng. Div. Monogr. (GB)* British Broadcasting Corporation Publications, 35 Marylebone High Street, London, 1M 4AA, England

BBC Eng. Div. Monogr. (GB)

BBC Engineering Division Monographs Title changed to: *BBC Eng. (GB)*

BBC Nachr. (Germany)

BBC Nachrichten Brown Boveri, Mannheim, Germany

Bedrijf & Tech. (Netherlands)

Bedrijf & Techniek NV Uitgeverijgemaatschappij Diligentia, Tesselschadesstraat 18-20-22, Amsterdam, Netherlands

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Beiträge zur Linguistik und Informationsverarbeitung R. Oldenbourg Verlag, München, Germany

Beitr. Phys. Atmos. (Germany)

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Beitr. Plasma Phys. (Germany)

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Bell Laboratories Record Bell Telephone Laboratories, Mountain Avenue, Murray Hill, N.J. 07974, USA

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Ber. Bunsenges. Phys. Chem. (Germany)

Berichte der Bunsengesellschaft für Physikalische Chemie Verlag Chemie, 694 Weinheim/Bergstrasse, Germany

BHG Telecommun. Rev. (Hungary)

BHG Telecommunication Review Budapest Telecommunication Company, Tanács Korut 3/a, Budapest VII, Hungary

Bio-Med. Eng. (GB)

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BIT (Sweden)

BIT (Nordisk Tidskrift för Informationsbehandling) Institutionen för Informationsbehandling, Lunds Universitet, Solvegatan 14, Lund, Sweden

Biul. Inst. Energ. (Poland)

Biuletyn Instytutu Energetyki Issued with: *Energetyka (Poland)*, Poland

BNX Rev. (GB)

BNX Review British Nuclear Export Executive, Dorland House, 14/16 Regent Street, London, SW1, England

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Boletín de la Facultad de Ingeniería y Agrimensura de Montevideo Herrera y Reissig 565, Montevideo, Uruguay

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Boundary-Layer Meteorol. (Netherlands)

Boundary-Layer Meteorology D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

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British Journal of Applied Physics (Journal of Physics D) Title changed to: *J. Phys. D (GB)*

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British Plastics Engineering, Chemical & Marine Press, 33-40 Bowling Green Lane, London, EC1, England

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Canadian Journal of Physics Division of Administration and Awards, National Research Council of Canada, Ottawa 7, Canada

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Canadian Metallurgical Quarterly Editorial address: University of Toronto, Department of Metallurgy and Materials Science, Toronto 5, Canada

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Canadian Operational Research Society Journal Canadian Operational Research Society, P.O. Box 2225, Station D, Ottawa, Ontario, Canada

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Carbon Pergamon Press Headington Hill Hall, Oxford, OX3 0BW, England

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Certificated Engineer Associated Scientific and Technical Societies of South Africa, P.O. Box 3361, Johannesburg, S. Africa

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The Chartered Mechanical Engineer Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1, England

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Chemical Engineering Progress American Institute of Chemical Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

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Chemistry of High Polymers Society of Polymer Science, Honshu Building, 5-12-8 Ginza, Cho-ku, Tokyo 104, Japan

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Combust. Explos. & Shock Waves (USA)

Combustion, Explosion and Shock Waves [Translation of: *Fiz. Goreniya & Vzryva (USSR)*] Faraday Press, 84 Fifth Avenue, New York, N.Y. 10011, USA

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Commentationes Physico-Mathematicae Societas Scientiarum Fennica, Helsinki, Finland

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Engineering Fracture Mechanics Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Eng. J. (Canada)**
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Environ. Eng. (GB)

Environmental Engineering Society of Environmental Engineers, 68a Wigmore Street, London, W1, England. Kenneth Mason, 13-14 Homewell, Havant, Hants

ERA (Sweden)

ERA Foreningen for Elektricitetens Rationella Anvandning, Norrtullsgatan 6, Stockholm VA, Sweden

ERA J. (GB)

ERA Journal Electrical Research Association, Cleeve Road, Leatherhead, Surrey, England

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Eriasson Review L.M. Ericsson, S-126 11 Stockholm 32, Sweden

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Euro-Spectra Formerly: *Euratom (Belgium)* General Dissemination of Information, 51-53 rue Belliard Brussels 4, Belgium

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Evaluation Engineering A. Verner Nelson Associates, Nelson Building, 1282 Old Skokie Road, Highland Park, Ill. 60035, USA

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Experimentelle Technik der Physik VEB Deutscher Verlag der Wissenschaften, Taubenstrasse 10, 108 Berlin 8, Germany

F & G Rundschau (Germany)

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Finommechanika (Hungary)

Finommechanika Budapest 5, Vadasz utca 16, Hungary

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Fiz. Szemle (Hungary)

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Fizika (Yugoslavia)

Fizika 'Mladost' Export-Import, Zagreb, Ilica 30, Yugoslavia

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Focus (GB)

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Forschungsber. Landes Nordrhein-Westfalen (Germany)

Forschungsberichte des Landes Nordrhein-Westfalen Westdeutscher Verlag, Ophovener Strasse 1-3, Postfach 1620, Köln, Germany

Forskning (Denmark)

Forskning Skelbaekgade 4, 1717 København 5, Denmark

Fortschr. Chem. Forsch. (Germany)

Fortschritte der Chemischen Forschung (Topics in Current Chemistry) Springer Verlag, 1000 Berlin 33, Heidelberger Platz 3, Germany

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Fortschritte der Physik Publication addresses: Akademie-Verlag, Leipzigerstrasse 3-4, Berlin 108, Kunst und Wissen, Wilhelmstrasse 4-6, 7 Stuttgart 7, Foreign orders to: Deutscher Buch-Export-und Import, Leninstrasse 16, Leipzig 701, Germany

Found. Language (Netherlands)

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Freddo (Italy)

Il Freddo Milano, Via Donatello 8, Italy

Frequenz (Germany)

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Gazette Astronomique Sterrenkundig Genootschap van Antwerpen, 1 Leeuw van Vlaanderenstraat, Antwerpen, Belgium

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Gazeta de Matematica Rue Diaro de Noticias, 134-1º, Lisboa, Portugal

GEC Telecommun. (GB)

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Geliotekhnika Academy of Sciences of the Uzbek SSR, Tashkent, USSR [English translation in: *Appl. Solar Energy (USA)*]

Gen. Radio Exp. (USA)

General Radio Experimenter General Radio Company, West Concord, Mass. 01781, USA

Geofiz. Koslemeneyk (Hungary)

Geofizikai Koslemeneyk Muszaki Konyvkiado, Budapest, Hungary

Geofys. Publ. (Norway)

Geofysiske Publikasjoner Norske Videnskaps-Akademi i Oslo. Publication address: H. Aschehoug (W. Nygaard), Oslo, Norway

Geomagn. & Aeron. (USA)

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Geophysics (USA)

Geophysics Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, Okla. 74101, USA

Gerlands Beitr. Geophys. (Germany)

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Glass Industry Glass Publishing Co., 777 Third Avenue, New York, N.Y. 10017, USA

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Hiki Gellert u. 12/Veseto, Budapest IV, Hungary
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- Hosp. Eng. (GB)**
Hospital Engineering Formerly: *Hosp. Eng. (GB)* Peter Peregrinus, P.O. Box 8, Southgate House, Stevenage, Herts, England
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La Houille Blanche 5, Chemin des Marronniers, (38) Grenoble (Isere), France
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- IEEE Trans. Vehicular Technol. (USA)**
IEEE Transactions on Vehicular Technology Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017, USA
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IES Lighting Review Illuminating Engineering Society of Australia, P.O. Box 61, Chippendale, N.S.W. 2008, Australia
- IHI Eng. Rev. (Japan)**
IHI Engineering Review Ishikawajima-Harima Heavy Industries Co. Ltd., 3-2-16 Toyosu, Koto-ku Tokyo, Japan

IHVE J. (GB)

IHVE Journal Institution of Heating and Ventilating Engineers, 49 Cado-gan Square, London SW 1, England

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Illuminating Engineering Illuminating Engineering Society, 345 East 47th Street, New York, N.Y. 10017, USA

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Image Dynamics in Science and Medicine North American Publishing Co., 134 North 13th Street, Philadelphia, Pa. 19107, USA

Image Technol. (USA)

Image Technology Acolyte Publications Inc., 647 North Sepulveda Boulevard, Bel Air, Los Angeles, Calif. 90049, USA

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Ind. & Eng. Chem., Fundamentals (USA)

Industrial and Engineering Chemistry, Fundamentals American Chemical Society, 1155 Sixteenth Street N.W., Washington, D.C. 20036, USA

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Industrial and Engineering Chemistry, Process Design and Development American Chemical Society, 1155 Sixteenth Street N.W., Washington, D.C. 20036, USA

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Industrial and Engineering Chemistry, Product Research and Development American Chemical Society, 1155 Sixteenth Street N.W., Wash- ington, D.C. 20036, USA

Ind. & Process Heat. (GB)

Industrial and Process Heating Factory Publications, Hermes House, 89 Blackfriars Road, London, SE1, England

Ind. Eng. (USA)

Industrial Engineering American Institute of Industrial Engineers, 345 East 47th Street, New York, N.Y. 10017, USA

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Industria Italiana Elettrotecnica ed Elettromica Associazione Nazionale Industrie Elettrotecniche ed Elettromiche, Via Donizetti 30, Milano, Italy

Ind. Lab. (USA)

Industrial Laboratory [Translation of: *Zavod. Lab. (USSR)*] Consul- tants Bureau, 227 West 17th Street, New York, N.Y. 10011, USA

Ind. Train. Int. (GB)

Industrial Training International Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England

Ind.-Anz. (Germany)

Industrie-Anzeiger Verlag W. Girardet, 43 Essen, Girardetstrasse 2-36, Postfach 9, Germany

Indian & E. Eng.

Indian and Eastern Engineer 'Sohrab House', 235 Dr.D.Naoroji Road, Bombay 1, India

Indian J. Chem.

Indian Journal of Chemistry Council of Scientific and Industrial Research, Hillside Road, New Delhi 12, India

Indian J. Meteorol. Geophys.

Indian Journal of Meteorology and Geophysics Indian Meteorologi- cal Department. Publication address: Civil Lines, Delhi-6, India

Indian J. Phys.

Indian Journal of Physics 2 and 3 Lady Willingdon Road, Raja Subodh- chandra, Mallick Road, Calcutta 32, India

Indian J. Power & River Valley Develop.

Indian Journal of Power and River Valley Development 6/2 Madan Street, Calcutta 13, India

Indian J. Pure & Appl. Phys.

Indian Journal of Pure and Applied Physics Council of Scientific and Industrial Research, Hillside Road, New Delhi 12, India

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Indian Journal of Pure and Applied Mathematics National Institute of Sciences India, Bahadur Shah Zafar Marg, New Delhi 1, India

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Indian Journal of Technology Council of Scientific and Industrial Research, Hillside Road, New Delhi 12, India

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Indian Journal of Theoretical Physics Institute of Theoretical Physics, 4/1 Mohan Bagan Lane, Calcutta 4, India

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Inf. Bull. Isot. Generators (France)

Information Bulletin on Isotopic Generators European Nuclear Energy Agency, 38 Boulevard Suchet, 75 Paris 16, France

Inf. Display (USA)

Information Display 647 North Sepulveda Boulevard, Bel Air, Los Angeles, Calif. 90049, USA

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Informacio Elektronika Statisztikai Kiado Vallalat, Budapest II, Keleti Karoly utca 18/b, Hungary

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Informacije Rade Koncar Produzece 'Rade Koncar', Post pret. 304, Fal- lervo Set. 22, Zagreb, Yugoslavia

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Inf. Sci. (USA)

Information Sciences American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, N.Y. 10017, USA

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Infrared Phys. (GB)

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Instrum. & Exp. Tech. (USA)

Instruments and Experimental Techniques [Translation of: *Pribory & Tekh. Eksp. (USSR)*] Instrument Society of America, 400 Stanwix Street, Pittsburgh, Pa. 15222, USA

Instrum. & Lab. (France)

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Instrum. Constr. (GB)

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Int. At. Energy Agency Bull. (Austria)

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Inzh.-Fiz. Zh. (USSR)

Inzhenerno-Fizicheskii Zhurnal Izdatel'stvo Akademii Nauk BSSR, Editorial address: Polesnaya 25, Minsk 13, USSR [English translation in: *J. Eng. Phys. (USA)*]

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ISHM Journal Issued with: *Solid State Technol. (USA)*

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Isotop. Gener. Inf. Centre Newslett. (France)

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Izmer. Tekh. (USSR)

Izmeritel'naya Tekhnika Academy of Sciences USSR Leninskii Prospekt, Moskva, USSR [English translation in: *Meas. Tech. (USA)*]

Izv. Acad. Sci. USSR. Phys. Solid Earth (USA)

Izvestiya Academy of Sciences USSR, Physics of the Solid Earth [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] Russian Translation Department, American Geophysical Union, Suite 435, 2100 Pennsylvania Avenue N.W., Washington, D.C. 20037, USA

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Izv. VUZ Gornyi Zh. (USSR)

Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal Ministerstvo Vysshego i Srednego Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Sverdlovsk, Universitetskaya Pl., 9, USSR

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Journal of Applied Mechanics and Technical Physics [Translation of: *Zh. Prikl. Mekh. & Tekh. Fiz. (USSR)*] Faraday Press, 84 Fifth Avenue, New York, N.Y. 10011, USA

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Journal of Applied Probability University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England

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Mitsubishi Denki Laboratory Reports Research Laboratory, Mitsubishi Electric Manufacturing Company, Amagasaki, Japan

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New Zealand Journal of Science Department of Scientific and Industrial Research, Private Bag, Wellington, New Zealand

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Observatory Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England
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Oyo Buturi Japan Society of Applied Physics, Room No.209-2, Kikai-Shinko Building, 21 Shiba-Koen Minato-ku, Tokyo, Japan
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Pakistan Engineer Council of the Institute of Engineers (Pakistan), Ramma, Dacca-2, Pakistan
- Pakistan J. Sci.**
Pakistan Journal of Science Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan
- Pakistan J. Sci. & Ind. Res.**
Pakistan Journal of Scientific and Industrial Research Pakistan Council of Scientific and Industrial Research, 39 Garden Road, Karachi 3, Pakistan
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- Phys. Scripta (Sweden)**
Physica Scripta Formerly: *Ark. Fys. (Sweden)* Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden
- Phys. Status Solidi (Germany)**
Physica Status Solidi Publication address: Akademie-Verlag, Leipziger Strasse 3-4, 108 Berlin, Germany
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Technology Reports of the Iwate University Faculty of Engineering,
Morioka, Japan

Technol. Rep. Kansai Univ. (Japan)

Technology Reports of Kansai University Faculty of Engineering,
Kansai University, Senriyama, Suita-City, Osaka, Japan

Technol. Rep. Osaka Univ. (Japan)

Technology Reports of the Osaka University Faculty of Engineering,
Osaka University, Yamada-Kami, Suita, Osaka 565, Japan

Technol. Rep. Seikei Univ. (Japan)

Technology Reports of the Seikei University College of Technology,
Seikei University, Musashino-Shi, Tokyo, Japan, Japan

Technol. Rep. Tohoku Univ. (Japan)

Technology Reports of the Tohoku University Sendai, Japan

Tecn. Ital. (Italy)

Tecnica Italiana Via Cesare Beccaria 7, Trieste, Italy

Tecnica (Portugal)

Tecnica Associacao dos Estudantes do Instituto Superior Tecnico, Av.
Rovisco Pais, Lisboa-1, Portugal

Tegnikon (S. Africa)

Tegnikon Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns, Engelen-
burghuis, Hamiltonstraat, Postbus 538, Pretoria, S. Africa

Tehnika (Yugoslavia)

Tehnika Beograd, Kneza Milosa 7/11., Yugoslavia

Tehostaja (Finland)

Tehostaja Messuhallit C, 17 C, Helsinki 25, Finland

Tekh. Kibern. (USSR)

Tekhnicheskaya Kibernetika Akademiya Nauk SSSR, Leninskii Prosp.
14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]

Tekh. Kino & Telev. (USSR)

Tekhnika Kino i Televideniya Leningradskii Prospekt 47, Moskva A-
167, USSR

Tekh. Misul (Bulgaria)

Tekhnicheskaya Misul Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul.
36, BAHN, IV Blok, Sofia, Bulgaria

Tekn. Tidskr. (Sweden)

Teknisk Tidskrift svenska Teknologforeningen, Box 40058, 103 42 Stock-
holm 40, Sweden

Tekn. Ukeblad (Norway)

Teknisk Ukeblad Norske Ingeniorforening og den Polytekniske Forening,
Kronprinsensgate 17, Oslo 1, Norway

Tekn.-Vetensk. Forskn. (TVF) (Sweden)

TVF Teknisk-Vetenskaplig Forskning Ingeniors VetenskapsAkademien
[Royal Swedish Academy of Engineering Sciences], Box 5073, Stockholm 5,
Sweden

Tele (Engl. Ed.) (Sweden)

Tele: Information from the Swedish Telecommunication Administration
Marbackagatan 11, S-123 86 Farsta, Sweden

Telecommun. J. (Engl. Ed.) (Switzerland)

Telecommunication Journal (English Edition) International Telecommu-
nications Union, Place des Nations, 1211 Geneve 20, Switzerland

Telecommun. J. Aust. (Australia)

Telecommunication Journal of Australia Telecommunication Society of
Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia

Telecommun. Radio Eng. Pt.1 (USA)

Telecommunications and Radio Engineering Part 1: Telecommunications
[Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Corp., 1511 K
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Telecommunications (India)

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Telecommunications (USA)

Telecommunications 610 Washington Street, Dedham, Mass. 02026, USA

Telecomunicatii (Rumania)

Telecomunicatii Calea Grivitei No. 193, Bucuresti, Rumania

Telefunken-Rohre (Germany)

Telefunken-Rohre Telefunken, Sofinger Strasse 100, Ulm/Donau,
Germany

Telegr. & Telef. (Netherlands)

Telegraaf en Telefoon Vereniging van Hoger Personeel der PTT. Perestraat
187, Den Haag, Netherlands

Teleph. Eng. & Manage. (USA)

Telephone Engineer and Management Brookhill Division, Ojibway Press,
402 West Liberty Drive, Wheaton, Ill. 60187, USA

Telesis (Canada)

Telesis Northern Electric Laboratories, P.O. Box 3511, Station 'C', Ottawa,
Canada

Teleteknik (Engl. Ed.) (Denmark)

Teleteknik (English Edition) 16 Kannikegade, DK 8000 Aarhus C, Den-
mark

Teletronikk (Norway)

Teletronikk Telegrafstyrets Bibliotek, Kongensgt. 21, Oslo, Norway

Telettra (Italy)

Telettra Laboratori di Telefonia Elettronica e Radio, Via Trento 30, Vimer-
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Television (France)

Television Societe des Editions Radio, 9 Rue Jacob, Paris 6, France

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Tellus Svenska Geofysiska Foreningen. Tulegatan 41, Stockholm, Sweden

Teor. & Eksp. Khim. (USSR)

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naya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem.
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Kniga, Moskva, USSR [English translation in: *Theory Probab. Appl.
(USA)*]

Teploenergetika (USSR)

Teploenergetika Krasnokasarmennaya ul., d. 14, Moskva, E-250, USSR
[English translation in: *Thermal Eng. (GB)*]

Teplofiz. Vys. Temp. (USSR)

Teplofizika Vysokikh Temperatur Akademiya Nauk SSSR, 17 Korpus
2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]

TESLA Electron. (Czechoslovakia)

TESLA Electronics TESLA Electronics and Telecommunications, Karlovo
nam. 7, Praha 2, Czechoslovakia

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Press, Headington Hill Hall, Oxford, OX3, OBW, England

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Thin Films Gordon & Breach Science Publishers, 12 Bloomsbury Way,
London, WC1, England

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Thin Solid Films Elsevier Sequoia, P.O. Box 851 1001 Lausanne 1, Swit-
zerland

Toim. Eesti NSV Tead. Akad. (USSR)

*Eesti NSV Teaduste Akadeemia. Toimetised. Fuusikalis-Matemaatiliste ja
Tehniliste Teaduste Seeria* Sakala 3, Tallinn, Estonia, USSR

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sity of Tokyo, Mitaka, Tokyo, Japan

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- Transelektro News (Hungary)**
Transelektro News Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary
- Transm. & Distrib. (USA)**
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- Union Burma J. Sci. Technol.**
Union of Burma Journal of Science and Technology Union of Burma Applied Research Institute, Yankin P.O., Rangoon, Burma
- Unternehmensforschung (Germany)**
Unternehmensforschung Physica-Verlag, Rudolph Liebing KG, D 87 Wurzburg 2, Werner von Siemens Str. 5, Germany
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Uspekhi Fizicheskii Nauk Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]
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- Vacuum (GB)**
Vacuum Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Vakuum-Tech. (Germany)**
Vakuum-Technik Rudolf A. Lang Verlag, 62 Wiesbaden, Bismarkplatz 36, Germany
- Value Eng. (GB)**
Value Engineering Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- VDE Fachber. (Germany)**
VDE Fachberichte Verband Deutscher Elektrotechniker, Bismarckstrasse 33, Berlin-Charlottenburg 2, Germany
- VDI Z. (Germany)**
VDI Zeitschrift Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Dusseldorf 1, Germany
- Verhandl. Kon. Vlaamse Acad. Wet. (Belgium)**
Verhandelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België Paleis der Academiën, Hertogsstraat 1, Bruxelles, Belgium
- Verkstaderna (Sweden)**
Verkstaderna Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden
- Vestn. Leningrad, Univ. Fiz. & Khim. (USSR)**
Vestnik Leningradskogo Universiteta—Fizika i Khimiya Leningrad University Press, Universitetskaya Nab. 7/9, Leningrad B-164, USSR
- Vestn. Leningrad. Univ. Ser. Mat. Mekh. & Astron. (USSR)**
Vestnik Leningradskogo Universiteta—Seriya; Matematika, Mekhanika i Astronomiya Universitetskaya Nab. 7/9, Leningrad B-164, USSR
- Vestn. Mash. (USSR)**
Vestnik Mashinostroeniya Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR [English translation in: *Russ. Eng. J. (GB)*]
- Vestn. Mosk. Univ. Fiz. Astron. (USSR)**
Vestnik Moskovskogo Universiteta—Fizika, Astronomiya (Moscow University Herald, Series III, Physics, Moskva, Lenin Hills MGU, USSR [English translation in: *Moscow Univ. Phys. Bull. (USA)*]
- Vide (France)**
Le Vide Societe Francaise des Ingenieurs et Techniciens du Vide, 19 rue du Renard, 75 Paris 4, France
- Villamossag (Hungary)**
Villamossag Lapkiado Vallalat, Lenin korut 9-11, Budapest VII, Hungary, Hungary
- Vision Res. (GB)**
Vision Research Pergamon Press, Headington Hill Hall, Oxford, OX3 0BW, England
- Vysokomolek. Soed. (USSR)**
Vysokomolekulyarnye Soedineniya Akademiya Nauk USSR, Leninskii Prospekt, Moskva, USSR
- W. Elec. Eng. (USA)**
Western Electric Engineer Western Electric Co., 195 Broadway, New York, N.Y. 10007, USA
- Warme (Germany)**
Warme Adelheidstrasse 28, 8 Munich 13, Germany
- Warme- & Stoffubertrag. (Germany)**
Warme- und Stoffubertragung Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany
- Water Power (GB)**
Water Power IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England
- Weld. & Met. Fabr. (GB)**
Welding and Metal Fabrication Iliffe Specialist Publications, Dorset House, Stamford Street, London, SE1, England
- Weld. Prod. (GB)**
Welding Production [Translation of: *Svar. Proiz. (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge, England
- Weltraumfahrt Raketentech. (Germany)**
Weltraumfahrt Raketentechnik Umschau Verlag, Frankfurt am Main, Stuttgarterstrasse 18-24, Germany
- Werkstatt & Betrieb (Germany)**
Werkstatt und Betrieb Carl Hanser Zeitschriftenverlag GmbH, 8 München 27, Kolbergerstrasse 22, Germany
- Westinghouse Eng. (USA)**
Westinghouse Engineer P.O. Box 2278, 3 Gateway Center, Pittsburgh, Pa. 15230, USA
- Wireless World (GB)**
Wireless World IPC Electrical-Electronic Press, Dorset House, Stamford Street, London, SE1, England
- Wiss. Z. Elektrotech. (Germany)**
Wissenschaftliche Zeitschrift der Elektrotechnik Akademische Verlagsgesellschaft Geest und Portig K.G., Sternwartenstrasse 8, 701 Leipzig, Germany
- Wiss. Z. Friedrich-Schiller Univ. Jena, Math. Naturwiss. Reihe (Germany)**
Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universitaet Jena, Mathematisch-Naturwissenschaftliche Reihe Friedrich-Schiller Universitaet, Jena, Am Anger 24, Germany
- Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt (Germany)**
Wissenschaftliche Zeitschrift der Hochschule für Maschinenbau Karl-Marx-Stadt Title changed to: *Wiss. Z. Tech. Hochsch. Karl-Marx-Stadt (Germany)*
- UAR J. Phys.**
United Arab Republic Journal of Physics National Information & Documentation Centre, Al-Tahreer Street, Dokki, Cairo, UAR
- Ukr. Fiz. Zh. (USSR)**
Ukrayins'kyi Fizychnyi Zhurnal Akademiya Nauk Ukrayins'koyi RSR, Editorial address: Velyka Kytayivs'ka 115, Kiev, USSR
- Ultrasonics (GB)**
Ultrasonics Iliffe Science and Technology Publications, 32 High Street, Guildford, Surrey, England
- Umschau Wiss. & Tech. (Germany)**
Umschau in Wissenschaft und Technik Umschau Verlag, Stuttgarter Strasse 18-24, 6 Frankfurt am Main, Germany

Wiss. Z. Humboldt-Univ. Berlin. Math.-Naturwiss. Reihe (Germany)
Wissenschaftliche Zeitschrift der Humboldt-Universität zu Berlin. Mathematisch-Naturwissenschaftliche Reihe 108 Berlin, Unter den Linden 6, Germany

Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg (Germany)
Wissenschaftliche Zeitschrift der Martin-Luther-Universität Halle-Wittenberg 401 Halle (Saale), August-Bebel-Strasse 13, Germany

Wiss. Z. Tech. Hochsch. Chem. 'Carl Schorlemmer' Leuna-Merseburg (Germany)
Wissenschaftliche Zeitschrift der Technischen Hochschule für Chemie 'Carl Schorlemmer' Leuna-Merseburg 42 Merseburg, Geusaer Strasse, Germany

Wiss. Z. Tech. Hochsch. Ilmenau (Germany)
Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau Strasse der Jungen Techniker 21, Ilmenau, Germany

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Wissenschaftliche Zeitschrift der Technischen Hochschule Karl-Marx-Stadt Formerly: *Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt (Germany)* Friedrich-Engels Strasse 85, Karl-Marx-Stadt, Germany

Wiss. Z. Tech. Hochsch. Otto von Guericke Magdeburg (Germany)
Wissenschaftliche Zeitschrift der Technischen Hochschule Otto von Guericke Magdeburg Boleslav-Beirut-Platz 5, Magdeburg, Germany

Wiss. Z. Tech. Univ. Dresden (Germany)
Wissenschaftliche Zeitschrift der Technischen Universität Dresden Mommsenstrasse 13, Dresden A227, Germany

Wiss. Z. Univ. Rostock. Ges.- & sprachwiss. Reihe (Germany)
Wissenschaftliche Zeitschrift der Universität Rostock. Gesellschafts- und Sprachwissenschaftliche Reihe Rostock, Vogelsang 13/14, Germany

WSW Tech. Ber. (Austria)
WSW Technische Berichte Siemens und Halske, Wiener Schwachstrom Werke, Apostelgasse 12, 1031 Wien, Austria

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Yadernaya Fizika Leninskii Pros. 61, Moskva V-333, USSR [English translation in: *Sov. J. Nucl. Phys. (USA)*]

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Zeitschrift für angewandte Mathematik und Mechanik Akademie-Verlag GmbH, 108 Berlin, Leipziger Strasse 3-4, Germany

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Zeitschrift für Geophysik Physica-Verlag, Werner von Siemens Strasse 5, Würzburg 87, Germany

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Zeitschrift für Kristallographie Akademische Verlagsgesellschaft, 6 Frankfurt am Main, Cronstettenstrasse 6 a, Germany

Z. Math. Logik & Grundlagen Math. (Germany)
Zeitschrift für Mathematische Logik und Grundlagen der Mathematik Deutscher Buch-Export und Import GmbH, 701 Leipzig, Leninstrasse 16, Germany

Z. Metallk. (Germany)
Zeitschrift für Metallkunde Dr. Riederer-Verlag GmbH, Morikestrasse 17, Postfach 447, 7 Stuttgart S, Germany

Z. Naturforsch. a (Germany)
Zeitschrift für Naturforschung (a): Astrophysik, Physik und physikalische Chemie 7082, Oberkochen, Lenghalde 21, Germany

Z. Phys. (Germany)
Zeitschrift für Physik Springer-Verlag, Heidelberger Platz 3, 1 Berlin 31 (Wilmsdorf), Germany

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Zeitschrift für physikalische Chemie. Neue Folge Akademische Verlagsgesellschaft, Cronstettenstrasse 6a, 6 Frankfurt am Main, Germany

Z. Phys. Chem., Leipzig (Germany)
Zeitschrift für physikalische Chemie Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany

Z. Wahrscheinlichkeitstheor. & Verw. Geb. (Germany)
Zeitschrift für Wahrscheinlichkeitstheorie und verwandte Gebiete Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany

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Zeitschrift für Wissenschaftliche Mikroskopie und mikroskopische Technik S. Hirzel Verlag, Stuttgart, Germany

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Zavodskaya Laboratoriya 2-i, Obyedenskii per., d. 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]

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Zesz. Nauk Polytech. Lodz. Elekt. (Poland)
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Zh. Eksp. & Teor. Fiz. (USSR)
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British Patents Abstracts

Derwent Publications Limited, Rochdale House, Theobalds Road, London WC1, England.

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Scientific and Technical Aerospace Reports (STAR)

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JOURNALS ABSTRACTED COMPLETELY

The following lists give the names of those journals all of whose scientific and technical articles are abstracted completely by either Physics Abstracts, Electrical & Electronics Abstracts or Computer & Control Abstracts. A certain amount of discretion must, however, be allowed in the interpretation of the phrase 'completely abstracted' as nearly all journals occasionally publish items of non-scientific, transient or trivial character which are, of course, not abstracted.

Some of these journals publish a small proportion of significant articles on subjects not normally considered to come within the fields of interest of 'Science Abstracts' and these articles are still recorded and indexed, although in some cases an abstract may not be included. The number of such articles is too small to weigh against the inclusion of the corresponding journals in the lists, particularly those of national scientific and engineering societies. The absence of a journal title from these lists does not exclude the possibility that the contents of the journal have also been abstracted completely in the sense indicated above, and in such cases the journal title will be added to the list in due course.

Journals abstracted completely in Physics Abstracts

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|---|--------------------------------------|------------------------------------|
| Acta Crystallogr. A (Denmark) | Fortschr. Phys. (Germany) | Nuovo Cimento A (Italy) |
| Acta Met. (USA) | Helv. Phys. Acta (Switzerland) | Nuovo Cimento B (Italy) |
| Acta Phys. Austriaca | High Temp. Sci. (USA) | Opt. Acta (GB) |
| Acta Phys. Hung. (Hungary) | Icarus (USA) | Opt. & Spektrosk. (USSR) |
| Acta Phys. Pol. A (Poland) | Indian J. Phys. | Optik (Germany) |
| Acta Phys. Pol. B (Poland) | Indian J. Pure & Appl. Phys. | Particle Accel. (GB) |
| Acustica (Germany) | Indian J. Theor. Phys. | Phil. Mag. (GB) |
| Adv. At. & Mol. Phys. (USA) | Int. J. Magn. (GB) | Phys. Fluids (USA) |
| Adv. Phys. (GB) | Int. J. Solids Structures (GB) | Phys. Kond. Mater. (Germany) |
| Adv. Theor. Phys. (USA) | Int. J. Theor. Phys. (GB) | Phys. Lett. A (Netherlands) |
| Akust. Zh. (USSR) | Izv. Akad. Nauk SSSR, Ser. Fiz. | Phys. Lett. B (Netherlands) |
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| Ann. Inst. Henri Poincaré A (France) | J. Acoust. Soc. Am. (USA) | Phys. Rev. A (USA) |
| Ann. Phys. (France) | J. Appl. Crystallogr. (Denmark) | Phys. Rev. B (USA) |
| Ann. Phys. (Germany) | J. Appl. Phys. (USA) | Phys. Rev. C (USA) |
| Ann. Phys. (USA) | J. Atmos. & Terr. Phys. (GB) | Phys. Rev. D (USA) |
| Appl. Opt. (USA) | J. Chem. Phys. (USA) | Phys. Rev. Lett. (USA) |
| Appl. Phys. Lett. (USA) | J. Cryst. Growth (Netherlands) | Phys. Scripta (Sweden) |
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| Astron. J. (USA) | J. Mol. Spectrosc. (USA) | Phys. Status Solidi a (Germany) |
| Astron. Zh. (USSR) | J. Opt. Soc. Am. (USA) | Physica (Netherlands) |
| Astrophys. J. (USA) | J. Phys. (France) | Plasma Phys. (GB) |
| Astrophys. J. Suppl. (USA) | J. Phys. A (GB) | Prog. Theor. Phys. (Japan) |
| Astrophys. Lett. (GB) | J. Phys. B (GB) | Rep. Prog. Phys. (GB) |
| Astrophys. Space Sci. (Netherlands) | J. Phys. C (GB) | Rev. Mex. Fis. (Mexico) |
| Aust. J. Phys. (Australia) | J. Phys. D (GB) | Rev. Mod. Phys. (USA) |
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| Can. J. Phys. (Canada) | J. Phys. & Chem. Solids (GB) | Rev. Sci. Instrum. (USA) |
| Chem. Phys. Lett. (Netherlands) | J. Phys. Soc. Jap. (Japan) | Scripta Met. (USA) |
| Chin. J. Phys. (Taiwan) | J. Plasma Phys. (GB) | Solid State Commun. (USA) |
| Comput. Phys. Commun. (Netherlands) | Jap. J. Appl. Phys. (Japan) | Solid State Phys. (USA) |
| Cosmic Electrodynamics (Netherlands) | JETP Lett. (USA) | Ukr. Fiz. Zh. (USSR) |
| Cryst. Lattice Defects (GB) | Kristallografiya (USSR) | Usp. Fiz. Nauk (USSR) |
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| Fiz. Tekh. Poluprov. (USSR) | Nucl. Instrum. & Meth. (Netherlands) | Zh. Eksp. Teor. Fiz. (USSR) |
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Journals abstracted completely in Electrical & Electronics Abstracts or Computer & Control Abstracts

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| Acta Electron. (France) | IEEE Trans. Aerosp. & Electron. Syst. (USA) | IEEE Trans. Vehicular Technol. (USA) |
| Acta Polytech. Scandinavica, El. | IEEE Trans. Antennas & Propagation (USA) | Inf. Contr. (USA) |
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| BBC Eng. (GB) | IEEE Trans. Commun. Technol. (USA) | J. Radio Res. Lab. (Japan) |
| Bell Syst. Tech. J. (USA) | IEEE Trans. Comput. (USA) | Marconi Rev. (GB) |
| Commun. ACM (USA) | IEEE Trans. Educ. (USA) | Microelectron. & Rel. (GB) |
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| Computing (Austria) | IEEE Trans. Eng. Manage. (USA) | Prace Inst. Łączności (Poland) |
| Elec. Eng. Jap. (USA) | IEEE Trans. Eng. Writing & Speech (USA) | Proc. IEEE (USA) |
| Electron. Eng. (GB) | IEEE Trans. Geosci. Electron. (USA) | Proc. Inst. Elec. Eng. (GB) |
| Electron. Lett. (GB) | IEEE Trans. Ind. Electron. & Contr. Instrum. (USA) | Radio & Electron. Eng. (GB) |
| Elektrichestvo (USSR) | IEEE Trans. Ind. & Gen. Appl. (USA) | Radio Sci. (USA) |
| Elektronika (Poland) | IEEE Trans. Inf. Theory (USA) | Radiotekh. & Elektron. (USSR) |
| Elektrosvyaz (USSR) | IEEE Trans. Instrum. & Meas. (USA) | Radiotekhnika (USSR) |
| Elektrotech. Obzor (Czechoslovakia) | IEEE Trans. Magn. (USA) | Rundfunktech. Mitt. (Germany) |
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e.g. for a full entry:

Collins, J. H., Rubens, H., Zapp, H. R. Properties of gadolinium garnet. . . 0-1234

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All names are reproduced in the abstracts and the index with the same spelling as in the original articles; in the case of articles printed in Cyrillic characters, a letter-by-letter transliteration is given. Russian authors' names may appear in Latin-alphabet publications in various forms, due to the use of different transliteration schemes; these names are reproduced as printed in the articles abstracted.

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